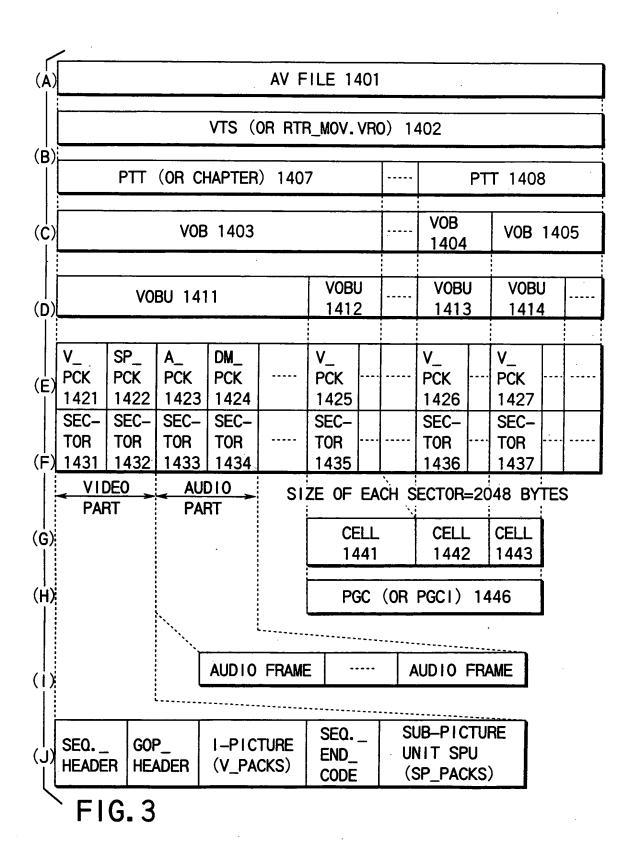


# ROOT DIRECTORY 1450 SUB DIRECTORY 1451 REWRITABLE TITLE SET RW\_VTS 1452 (DVD\_RTR DIRECTORY) RTR=REAL TIME RECORDING DATA FILES 1453 CONTROL INFORMATION 1011 =RW\_VIDEO\_CONTROL.IFO (RTR.IFO) BACKUP OF CONTROL INFO. =RW\_VIDEO\_CONTROL.BUP AV FILE 1401 (RTR DATA) =RW\_OBJECT.OB VIDEO OBJECT (RTR\_MOV. VRO) 1012 PICTURE OBJECT (RTR\_STO.VRO) 1013 AUDIO OBJECT (RTR\_STA. VRO) 1014 THUMBNAIL OBJECT 1016 REWRITABLE ADDITIONAL INFO. 1454 =RW\_ADD. DAT SUB DIRECTORY 1451 VIDEO TITLE SET VIDEO\_TS (OR VTS) 1455 AUDIO TITLE SET AUDIO\_TS (OR ATS) 1456 SUB DIRECTORY FOR COMPUTER DATA STORAGE 1457



	က	E	LSNg
	OB # (3)	EXTENT # ε 1475	
	>		LSNf+1
	DED	<u></u>	LSNf
	AREA 1460	EXTENT # \$ 1470	
	UNB	Ш	LSNe+1
-	2	<u> </u>	LSNe
	VOB #2 1462	# B 1472	
01	<b>^</b>		LSNd+1
E 14	က		LSNd
AV FILE 1401	08 # (2) 1464	EXTENT #8 1474	
¥	<b>&gt;</b>	ш	LSNc+1
			LSNc
	VOB #1 1461	EXTENT # \alpha 1471	
	V0B	X # 4	LSNb+2
			LSNb+1
			LSNb
	(1) (2) (3)	EXTENT #γ 1473	
	VOB	EXT # 4	LSNa+2
			LSNa+1

←SMALLER LOGICAL SECTOR NUMBER (LSN) ←INNER SIDE OF OPTICAL DISC 1001

LARGER LOGICAL SECTOR NUMBER (LSN)→ OUTER SIDE OF OPTICAL DISC 1001→

F16.4

CONTENTS OF ALLOCATION	NUMBER OF EXTENTS IN UNRECORDED AREA 1601	1
MAP TABLE 1105	1ST ADR. (LSN) OF 1ST EXTENT IN UNRECORDED AREA 1606	e–a
DISTRIBUTION INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN UNRECORDED AREA 1614	f–e
UNRECORDED AREA 1621	NUMBER OF EXTENTS IN VOB #1 1602	1
DISTRIBUTION	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #1 1607	b–a
INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN VOB #1 1615	c-b
RECORDED DATA AS TO VOB #1 1622	NUMBER OF EXTENTS IN VOB #2 1603	1
DISTRIBUTION	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #2 1608	d–a
INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN VOB #2 1616	e–d
RECORDED DATA AS TO VOB #2 1623	NUMBER OF EXTENTS IN VOB #3 1604	3
DISTRIBUTION INFORMATION OF	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #3 1609	1
POSITIONS OF RECORDED DATA	SIZE (SECTORS) OF 1ST EXTENT IN VOB #3 1617	b–a
AS TO VOB #3 1624	1ST ADR. (LSN) OF 2ND EXTENT IN VOB #3 1610	c-a
	SIZE (SECTORS) OF 2ND EXTENT IN VOB #3 1618	d–c
	1ST ADR. (LSN) OF 3RD EXTENT IN VOB #3 1611	f–a
FIG.5	SIZE (SECTORS) OF 3RD EXTENT IN VOB #3 1619	g–f

PGC CONTROL INFO. (OR UD\_PGCIT) 1103 PGC INFORMATION MANAGEMENT INFO. (OR UD\_PGCIT) 1052 PGC INFORMATION PGC GENERAL INFO. SEARCH POINTER #1 (OR PGC\_GI) 1061 (UD\_PGCI\_SRP#1) 1053 PROGRAM INFO. (PGI#1) PGC INFORMATION SEARCH POINTER #n (UD\_PGCI\_SRP#n) 1054 PROGRAM INFO. PGC INFORMATION #1 (PGI#m) (OR UD\_PGCI#1) 1055 CELL ID #1 (OR CI SRP#1) PGC INFORMATION #i (OR UD PGCI#i) 1056 CELL ID #m 1151 (OR CI\_SRP#m) PGC INFORMATION #n CELL INFO. (CI#1) (OR UD\_PGCI#n) 1057 #i=ANY ONE OF #1 TO #n CELL INFO. (CI#n)

- \*1> PGC INFORMATION (OR UD\_PGCI) CAN DEFINE .
  A GROUP OF ONE OR MORE PROGRAMS:
- \*2> EACH PROGRAM CAN BE FORMED OF ONE OR MORE CELLS;
- \*3> EACH CELL CAN BE SPECIFIED BY CELL ID (OR CI\_SRP);
- \*4> EACH CELL ID (OR CI\_SRP) CAN INDICATE POSITION (OR START ADDRESS) OF CELL INFORMATION (OR CI);
- \*5> EACH CELL INFORMATION (OR CI) CAN DETERMINE START TIME AND END TIME OF PRESENTATION OF CELL

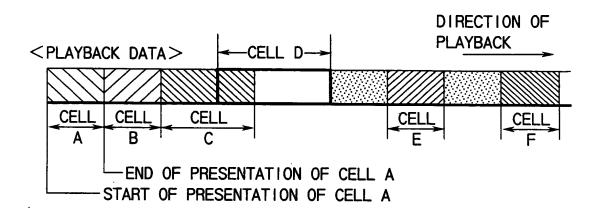


FIG. 7A

#### PGC INFORMATION (PGCI)

PGC#1	1081	PGC#2	2 1082	PGC#3	3 1083
NUMBE CELLS		NUMBI CELL:	ER OF S=3	NUMBI CELLS	ER OF S=5
#1	CELL A	#1	CELL D	#1	CELL E
#2	CELL B	#2	CELL E	#2	CELL A
#3	CELL C	#3	CELL F	#3	CELL D
		_		#4	CELL B
				#5	ÇELL E
CELL ID	CELL INFO.	CELL ID	CELL INFO.	CELL ID	CELL INFO.
CI_SRP #m=3	CI #n=3	CI_SRP #m=3	CI #n=3	CI_SRP #m = 5	CI #n=4

FIG. 7B

NUMBER OF VOB IN VTS OR PLAY LIST SEARCH POINTER TABLE INFO. (PL\_SRPTI) 1756 1ST VOB ID IN VOB SEQ. OR 1ST PLAY LIST SEARCH POINTER (PL\_SRP#1) 1757 PLAY LIST 2ND VOB ID IN VOB SEQ. SEARCH POINTER OR 2ND PLAY LIST SEARCH **TABLE** POINTER (PL\_SRP#2) 1758 (PL SRPT) VIDEO nTH VOB\_ID IN VOB SEQ. MANAGER INFO. OR nTH PLAY LIST SEARCH **MANAGEMENT** POINTER (PL\_SRP#n) **TABLE** (VMGI\_MAT) RTR VIDEO MANAGER VTSI 1106 INFO. (RTR\_VMGI) (RTR\_VMGI) (RTR. 1F0) MOVIE AV FILE INFO. VTS GENERAL TABLE (M\_AVFIT) INFO. 1751 STILL PICTURE AV FILE NAVIGATION DATA RTR\_VMG **VOB SEQUENCE** INFO. TABLE (S\_AVFIT) INFO. 1752 ORIGINAL PGC INFO. PTT INFO. (ORG\_PGCI) 1753 USER DEFINED PGC VTS TIME MAP INFO. TABLE (UD\_PGCIT) **TABLE 1754** TEXT DATA MANAGER (TXTDT\_MG) MANUFACTURER'S INFO. TABLE (MNFIT) FIG. 8

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F16.9A				AV	AV FILE 1401	01			
FIG. 9B			<b>\</b>	rs (or R	TR_MOV.V	VTS (OR RTR_MOV. VRO) 1402			
	VOB#1 1461		V0B#2 1462			V0B#3 1763		NN AR	UNRECORDED AREA 1460
F16.9C	EXTENT# \alpha 1471		EXTENT# /3 1472	EXTENT# γ 1473		EXTENT# 8 1474	EXTENT# ε 1475		EXTENT# \$ 1470
FIG. 9D				AV	AV FILE 1401	01	·		
F16.9E		VTS (C	N RTR_MO\	. VRO/RTF	STO. VR	0/RTR_ST/	VTS (OR RTR_MOV. VRO/RTR_STO. VRO/RTR_STA. VRO) 1402	)2	
		<b>←</b> #18			)/_S	-S_V0G1#			
	V0B#A 1771	V0B#B 1772	V0B#C 1773	V0B#D 1774	V0B#E	V0B#F 1776	V0B#G	V0B#H 1778	V0B#1
	VI DE(		AUDIO	PICTURE	l L L	AUDIO	0	THUMBNA	NAIL
F16, 9F	OBJECTS 1012	STS	0BJECTS 1014	OBJECTS 1013	CTS	OBJECTS 1014	CTS	OBJECTS 1016	TS.
	←-RTR_MOV. VRO→	V. VR0→		+-RTR_SI	TO. VRO→	RTR ST	←-RTR_STO. VRO-+		
	RTR_ST	RTR_STA. VRO ~				ı			

-AUDIO PART

-VIDEO PART

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1631 FIG. 10A VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S\_VOGI#)

(FOR ONE STILL PICTURE) VOBU FIG. 10B

1641

	V PCK	V PCK	V DCK	/Ju 03	700	
	1661	1662	15.52	יין ריין ריין די	A_PCK	A_PCK
	3	1002	5001	1991	1691	1692
100	1-P1C	CTURE 1706	DUMMY DATA	SP_STREAM	A_STREAM	A_STREAM

STILL PICTURE VOB GROUP RELATING TO S\_VOGI#) 1632 <u></u> FIG. 10D VOB FOR PICTURE OBJECTS

_		
	V0BU 1644	•
	:	
	V0BU 1643	
	642	
	<u>–</u>	
	PICT.	
	STILL PICT.) 1642	
	ST	
	<b>VOB</b>	
	H H	֖֖ׅׅׅׅ֡֝֝֝֝֝֝֝֝֝֝֓֝֝֓֞֝֝֞֝֞֝֓֞֝֞֜֜֞֝֞֜֜֞֜֝
	_	_
	<u>5</u>	)
	П	_

PCK 695
~ -
V_PCK 1667
V_PCK 1666
A_PCK 1694
V_PCK 1665
A_PCK 1693
SP_PCK 1682
V_PCK 1664
10F
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ſ		
	OR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1633	
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	<b>V0B</b>	
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	<u>8</u>	
	7	)
	_	<u>-</u>
	C	5
	$\Box$	_

FIG. 106	VOB FO	R PICTURE (	OBJECTS (	OR STILL	PICTURE	E VOB GROU	JP RELATII	NG TC	FIG. 10G VOB FOR PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1633
FIG 10H	VOBU (ONE	(ONE STILL	E STILL PICTURE) 1645	) 1645		V0BU 1646			VOBU 1647
5									
	V_PCK	V_PCK	V_PCK	SP_PCK V_PCK V_PCK	V_PCK	V_PCK	V PCK		v PCK
	1668	1669	1670	1683	1671	1672	1673		1674
FIG. 101	I-PICTURE	Ture 1707	DUMMY 1704	DUMMY SP_ 1704 STREAM	I-PICTI	I-PICTURE 1708	DUMMY 1705	:	I-PICTURE 1709
			PART			VIDEO PART		<b>1</b> '	←−VIDEO PART→

_	
1634	
(#190/-5	
S	
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9	
AT	
RELA]	
GROUP	
<b>V0B</b>	
PICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1634	
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ICTURE OBJECTS	
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FIG. 10K	VOBU (ONE		STILL PICTURE) 1648	1648	>	VOBU 1649		 V0BU 1650	50
_									
	S DCV	V 00.4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A DOV	A DCV	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	100	,,,,,	

←-AUDIO PART->	AUDI		<b>↑</b>	NUDIO PAF	AUDIO PART		-AUDIO PART	AUD!			
	A_PCK 1702	:	A_PCK 1701	A_PCK 1700	A_PCK A_1699 17	A_PCK 1698	A_PCK 1697	A_PCK 1696	SP_PCK 1684	10	F16.

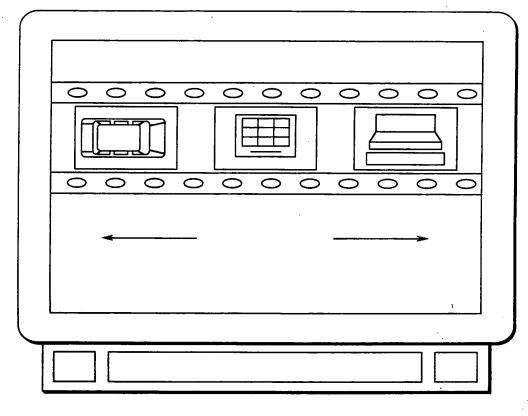


FIG. 11

STILL PICTURE AV FILE (S\_AVFIT)

STILL PICTURE AV FILE INFO. TABLE INFO. (S\_AVFITI)

STILL PICT. VOB STREAM INFO. #1 (S\_VOB\_STI#1)

STILL PICT. VOB STREAM INFO. #n (S\_VOB\_STI#n)

STILL PICTURE AV FILE INFO. (S AVFI)

STILL PICT. AD-DITIONAL AUDIO STREAM INFO. #1 (S\_AA\_STI#1)

STILL PICT. AD-DITIONAL AUDIO STREAM INFO. #m (S\_AA\_STI#m)

STILL PICTURE ADDITIONAL AUDIO FILE INFO. (S\_AAFI) VOB INFO. FOR
PICT. OBJECTS
MANAGEMENT
INFO. 1721
(OR S\_AVFI\_GI)
SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#1 1726 (OR
S\_VOGI\_SRP#1)
SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#1 1727 (OR
S\_VOGI\_SRP#1)

SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#k 1728 (OR
S\_VOGI\_SRP#k)
VOB INFO. FOR

PICT. OBJECTS #1 1731 (OR S\_VOGI#1)

VOB INFO. FOR PICT. OBJECTS #i 1732 (OR S\_VOGI#i)

VOB INFO. FOR PICT. OBJECTS #k 1733 (OR S\_VOGI#k)

FIG. 12 #i=ANY ONE OF #1 TO #k

VOB GENERAL
INFORMATION
FOR PICTURE
OBJECTS
1736 (OR
STILL PICTURE
VOB GROUP
GENERAL INFO.
S\_VOG\_GI)

VOB ATTRIB.
INFORMATION
FOR PICTURE
OBJECTS
1737

VOBU MAP FOR PICTURE OBJECTS 1738 (OR STILL PICTIRE VOB ENTRES S\_VOB\_ENT#)

VOB STILL PICT. ATTRIB. ENTRY TYPE INFO. (S\_VOB\_ FOR ENT TY) PICT. OBJ. NUMBER OF 1737 STILL PICT. (OR NUMBER VOBU OF VOBUs) MAP IN CORRES-**FOR** POND I NG PICT. VOB 1801 OBJ. (OR 1738 S\_VOB\_Ns) (S\_V0B\_ INFO. OF 1ST ENT#) STILL PICT. IN CORRES-POND ING VOB 1802 V0B INFO. OF 2ND **GENERAL** STILL PICT. INFO. IN CORRES-1736 POND I NG OR **VOB** 1803 S\_VOG\_ INFO. OF 3RD GI STILL PICT. IN CORRES-POND ING VOB 1804

DATA SIZE OF STILL PICTURE (OR VOBU) INDICATED BY USED SECTORS 1806 (OR VIDEO PART SIZE V\_PART\_SZ/ AUDIO PART SIZE A PART SZ) DISPLAY TIME OF ONE STILL PICTURE 1807 REPRESENTED BY PLAYBACK TIME OF AUDIO PART (IF VOBU CONTAINS A\_PCK) OR REPRESENTED BY DISPLAY TIME OF VIDEO PART (IF VOBU CONTAINS NO A\_PCK) ADDRESS OF 1ST V PCK IN VOBU 1808 (OR S\_VOG\_SA) SIZE OF I-PICTURE IN VOBU (INDICATED BY TOTAL BYTES) 1809 🔻 PRESENTATION START TIME S PTM OF STILL PICTURE (V\_PCK/SP\_PCK) 1810 1ST SYSTEM CLOCK REFERENCE F SCR OF STILL. PICTURE (V\_PCK/SP\_PCK) 1811 ADDRESS OF 1ST A PCK IN VOBU 1812 AUDIO S\_PTM (PRESENTATION START TIME OF A\_PCK) 1813 AUDIO E\_PTM (PRESENTATION END TIME OF A\_PCK) 1814 AUDIO F\_SCR (SYSTEM CK REF. OF 1ST A\_PCK IN VOBU) 1815

AUDIO L\_SCR (SYSTEM CK REF.

OF LAST A\_PCK IN VOBU) 1816

PLAYBACK TIME OF AUDIO PART A\_PB\_TM

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FIG. 14A				0	VOB #A 1821	21			
	VOBU	VOBU 1825	>	VOBU 1826	9		BOA	V0BU 1827	
FIG. 14B	STILL PI	L PICT. NO. 1	STILL	STILL PICT.	NO. 2		STILL	STILL PICT. NO. 1	h
	STLPCT	AUDIO	STLPCT	PCT	AUDIO	STLPCT	STLPCT	AUDIO	
	1831	1841	1832	2	1842	1833	1834	1843	
	V_PCK	A_PCK	V_PCK	SP_PK	A_PCK	V_PCK	V_PCK	A_PCK	
F16. 14C	1851	1861	1852	1848	1862	1853	1854	1863	ļ
			-	<b>*</b>		•	4		
	CONTENTS	TS.	ISI IN GEL		<b>-</b>		LAST	. ST1[] CELL	PICT.
		, = -	V_PCK	SP_PK	A_PCK	V_PCK	V PCK		بخ
FIG. 14D	13 16	<b>-</b> ļ	1852	1848	71865	1853	1854	+	
		į		À			>		
	:	A_PCK	V_PCK	A_PCK	V_PCK	NDG_V	A PCK	V PCK	
		1864	1855	1865	1856	1857	1866	1858	
(	-	AUDIO	STLPCT	AUD 10	STLPCT	STLPCT	AUDIO	STLPCT	
FIG. 14E		1844	1835	1845	1836	1837	1846	1838	
	,		STILL PICTURE	CTURE		STILL	STILL PICTURE		
						NO. h+j-2	j-2		
FIG. 14F			VOBU	VOBU 1828	:	VOBU	VOBU 1829		
EIC 11C					0 #D 10	00			
10.140				}	VUB #B 1822	77			

		***
CONTENTS (S_CI) OF CELL PLAYBACK INFO. (CI) FOR PICTURE OBJECTS 1870	EXAMPLE 1871 WITH RESPECT TO FIG.14	EXAMPLE 1872 WITH RESPECT TO FIG.14
CELL ID (CI_SRP) 1873		
TYPE INFORMATION OF CELL (C_TY) 1880		
ID INFORMATION OF VOB WITH V_PCK 1874	VOB #A	1821
STILL PICT. NUMBER 1875 IN VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL (S_S_VOB_ENTN)	2	1826
STILL PICT. NUMBER 1876 IN VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL (E_S_VOB_ENTN)	h	1827
ID INFORMATION OF VOB WITH A_PCK 1877	VOB #B	1822
STILL PICT. NUMBER 1878 IN VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL	j	1828
PRESENTATION TIME 1879 OF EACH STILL PICTURE HAVING NO CORRESPONDING A_PCK	2 SECONDS (ONE LINE)	

FIG. 15

CONTENTS OF CELL PLAYBACK INFO. (CI) FOR PTT
CELL ID (CI_SRP) 1883
TYPE INFO. OF CELL (C_TY) 1882
ID INFO. OF PTT WITH V_PCK 1884
STILL PICTURE NUMBER 1885 IN PTT OF VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL
STILL PICTURE NUMBER 1886 IN PTT OF VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL
ID INFO. OF PTT WITH A_PCK 1887
STILL PICTURE NUMBER 1888 IN PTT OF VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL
PRESENTATION TIME 1889 OF EACH STILL PICT. HAVING NO CORRESPONDING A_PCK

FIG. 16

STILL PICTURE AV FILE INFO. (S\_AVFI) FOR PTT (CHAPTER)

PTT INFO. FOR PICT. OBJECTS MANAGEMENT INFO. 1891

SEARCH POINTER OF PTT INFO. FOR PICT. OBJECTS #1 1892

SEARCH POINTER OF PTT INFO. FOR PICT. OBJECTS #2 1893

PTT INFO. FOR PICT. OBJECTS #1 1895

PTT INFO. FOR PICT. OBJECTS #2 1896

PTT GENERAL INFORMATION FOR PICTURE OBJECTS 1898

VOB MAP FOR PICTURE .
OBJECTS 1899

VOB MAP FOR PICT. OBJECTS 1899

NUMBER OF STILL PICT. (OR NUMBER OF VOBs) IN CORRESPONDING PTT 1901 (OR S\_VOB\_Ns)

INFO. OF 1ST STILL PICT. IN CORRESPONDING PTT 1902

INFO. OF 2ND STILL PICT. IN CORRESPONDING PTT 1903 DATA SIZE OF STILL PICTURE (OR VOB) INDICATED BY USED SECTORS 1906

DISPLAY TIME OF ONE STILL PICTURE 1907 REPRESENTED BY PLAYBACK TIME OF AUDIO PART (IF VOB CONTAINS A\_PCK) OR REPRESENTED BY DISPLAY TIME OF VIDEO PART (IF VOB CONTAINS NO A PCK)

ADDRESS OF 1ST V\_PCK IN VOB 1908 (OR S\_VOG\_SA)

SIZE OF I-PICTURE IN VOB (INDICATED BY TOTAL BYTES) 1909

PRESENTATION START TIME S\_PTM OF STILL PICTURE (V\_PCK/SP\_PCK) 1910

1ST SYSTEM CLOCK REFERENCE F\_SCR OF STILL. PICTURE (V\_PCK/SP\_PCK) 1911

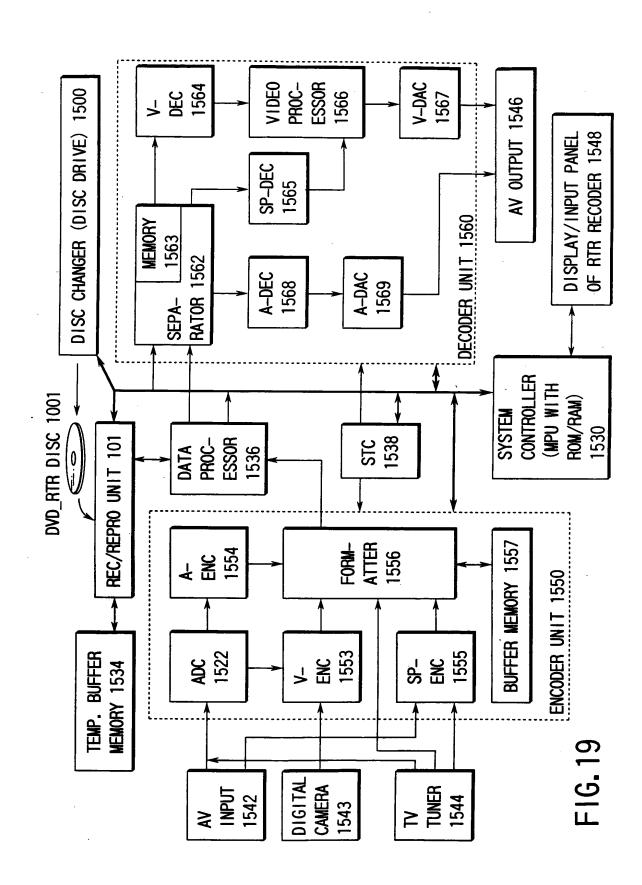
ADDRESS OF 1ST A\_PCK IN VOB 1912

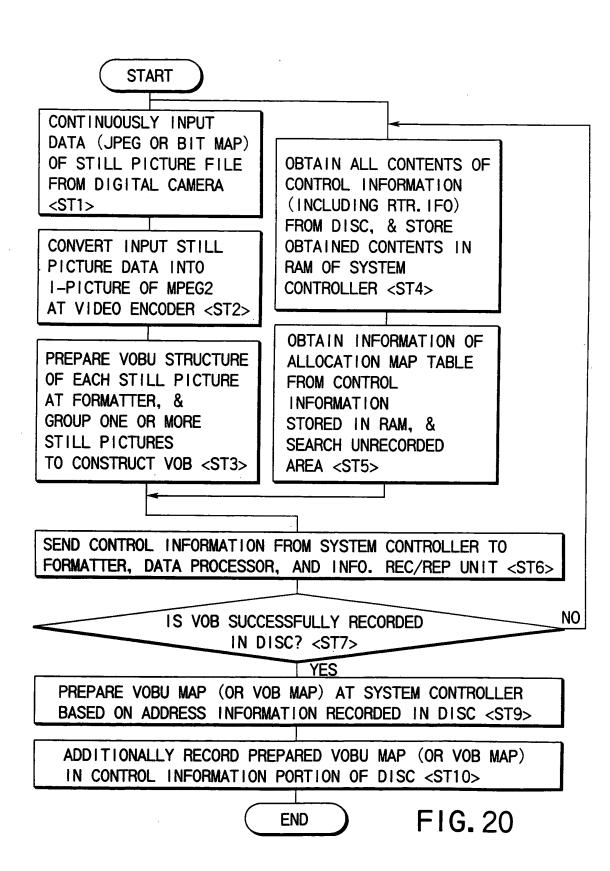
AUDIO S\_PTM (PRESENTATION START TIME OF A\_PCK) 1913

AUDIO E\_PTM (PRESENTATION END TIME OF A\_PCK) 1914

AUDIO F\_SCR (SYSTEM CK REF. OF 1ST A\_PCK IN VOB) 1915

AUDIO L\_SCR (SYSTEM CK REF. OF LAST A\_PCK IN VOB) 1916





**START** 

OBTAIN ALL CONTENTS OF CONTROL INFORMATION (RTR.1FO) FROM DISC, & STORE OBTAINED CONTENTS IN RAM OF SYSTEM CONTROLLER <ST11>

OBTAIN PLAYBACK CONTROL INFO. FROM CONTROL INFO. STORED IN RAM, & INTERPRETE OBTAINED INFORMATION AS TO MANNER OF REPRODUCTION <ST12>

SEARCH PROGRAM TO BE REPRODUCED BASED ON PGC CONTROL INFO. IN RAM, OBTAIN CELL(S) IN PGC INFORMATION OF SEARCHED PROGRAM, & OBTAIN VOB\_ID OR PTT\_ID SPECIFIED BY CORRESPONDING CELL FROM CELL PLAYBACK INFORMATION STORED IN RAM <ST13>

OBTAIN DISC ADDRESS OF VOB TO BE REPRODUCED BASED ON VOB INFORMATION OR PTT INFORMATION STORD IN RAM <ST14>

ACCESS VOB RECORDED IN DISC BASED ON CONTROL SIGNAL FROM SYSTEM CONTROLLER TO REPRODUCE INFORMATION OF VOB, & PROVIDE REPRODUCED INFORMATION AS AV OUTPUT FOR DISPLAY <\$T18>

RECEIVE ADDITIONAL INFO. INPUT BY USER WHILE DISPLAYING AV OUTPUT, & GROUP ONE OR MORE STILL PICTURES AT FORMATTER BASED ON USER-INPUT INFORMATION TO PREPARE VOB OR PTT <ST19>

RECORD INFORMATION OF VOB PREPARED BY FORMATTER <ST20>

**END** 

**START** 

OBTAIN ALL CONTENTS OF CONTROL INFORMATION (RTR. IFO) FROM DISC, & STORE OBTAINED CONTENTS IN RAM OF SYSTEM CONTROLLER <ST11>

OBTAIN PLAYBACK CONTROL INFO. FROM CONTROL INFO. STORED IN RAM, & INTERPRETE OBTAINED INFORMATION AS TO MANNER OF REPRODUCTION <ST12>

SEARCH PROGRAM TO BE REPRODUCED BASED ON PGC CONTROL INFO. IN RAM, OBTAIN CELL(S) IN PGC INFORMATION OF SEARCHED PROGRAM, & OBTAIN VOB\_ID OR PTT\_ID SPECIFIED BY CORRESPONDING CELL FROM CELL PLAYBACK INFORMATION STORED IN RAM <ST13>

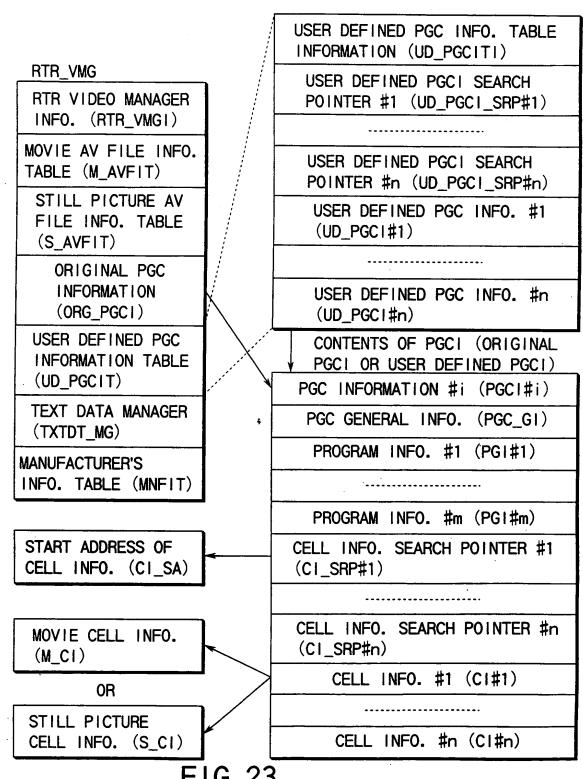
OBTAIN DISC ADDRESS OF VOB TO BE REPRODUCED BASED ON VOB INFORMATION OR PTT INFORMATION STORD IN RAM <\$T14>

ACCESS VOB RECORDED IN DISC BASED ON CONTROL SIGNAL FROM SYSTEM CONTROLLER TO REPRODUCE INFORMATION OF VOB, & PROVIDE REPRODUCED INFORMATION AS AV OUTPUT FOR DISPLAY <ST18>

ACCESS VOB #A RECORDED IN DISC TO PROVIDE STILL PICTURE INFORMATION OF VOB #A <ST16>

ACCESS VOB #B IN DISC TO REPRODUCE AUDIO INFORMATION OF VOB #B, & PROVIDE AUDIO INFO. OF VOB #B AND STILL PICTURE INFO. OF VOB #A AS AV OUTPUT FOR STILL PICTURE DISPLAY WITH SOUND <ST17>

END



STILL PICTURE CELL INFO. (S\_CI) STILL PICTURE CELL GENERAL
INFORMATION (S\_C\_GI)

STILL PICT. CELL ENTRY POINT
INFORMATION #1 (S\_C\_EPI#1)

STILL PICT. CELL ENTRY POINT
INFORMATION #n (S\_C\_EPI#n)

FIG. 24

## CONTENTS OF S\_C\_GI

FIELD NAME	CONTENTS
RESERVED	RESERVED
C_TY	CELL TYPE
S_VOGI_SRPN	S_VOGI SEARCH POINTER NUMBER
C_EPI_Ns	NUMBER OF CELL ENTRY POINT INFO.
S_S_VOB_ENTN	START S_VOB_ENT NUMBER
E_S_VOB_ENTN	END S_VOB_ENT NUMBER

FIG. 25

#### CONTENTS OF S\_C\_EPI

FIELD NAME	CONTENTS
EP_TY	ENTRY POINT TYPE
S_VOB_ENTN	S_VOB_ENT NUMBER
PRM_TXT1	PRIMARY TEXT INFORMATION

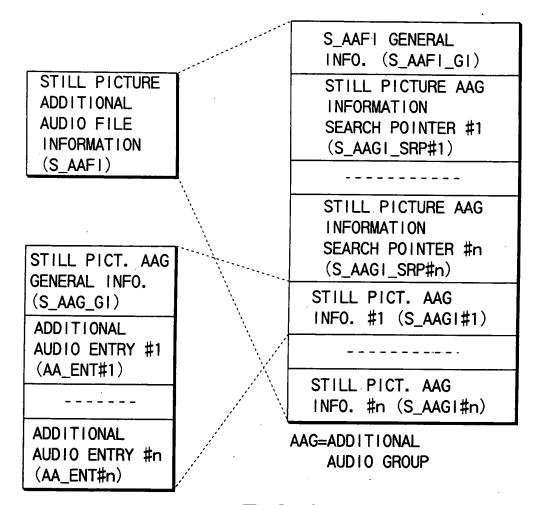


FIG. 27

## CONTENTS OF S\_AAG\_GI

FIELD NAME	CONTENTS
AA_ENT_Ns	NUMBER OF AA_ENT
S_AA_STIN	STILL PICTURE ADDITIONAL AUDIO STREAM INFORMATION NUMBER
S_AAG_SA	START ADDRESS OF THIS AAG IN STILL PICTURE ADDITIONAL AUDIO FILE

#### CONTENTS OF AA\_ENT

FIELD NAME	CONTENTS
AA_TY	ADDITIONAL AUDIO TYPE
AA_SZ	SIZE OF ADDITIONAL AUDIO STREAM
AA_PB_TM	PLAYBACK TIME OF ADDITIONAL AUDIO STREAM (MEASURED BY VIDEO FIELDS)

FIG. 29

# CONTENTS OF S\_VOG\_GI

FIELD NAME	CONTENTS
S_VOB_Ns	NUMBER OF S_VOBs
S_VOB_STIN	STILL PICTURE VOB STREAM INFORMATION NUMBER
FIRST_VOB_REC_TM	TIME WHEN THE FIRST VOB IN THIS VOB GROUP WAS RECORDED
LAST_VOB_REC_TM	TIME WHEN THE LAST VOB IN THIS VOB GROUP WAS RECORDED
S_VOG_SA	START ADDRESS OF THIS VOB GROUP IN STILL PICTURE AV FILE

FIG. 30

#### CONTENTS OF S\_VOB\_ENT (TYPE 1)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART

## CONTENTS OF S\_VOB\_ENT (TYPE 2)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART (DESCRIBED IN VIDEO FIELDS)

FIG. 32

## CONTENTS OF S\_VOB\_ENT (TYPE 3)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

FIG. 33

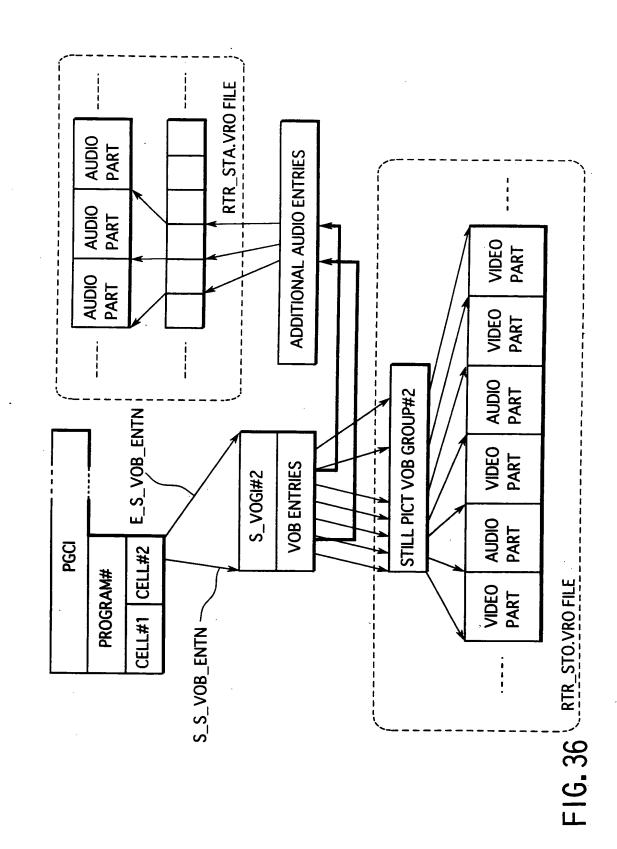
## CONTENTS OF S\_VOB\_ENT (TYPE 4)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

FIG. 34

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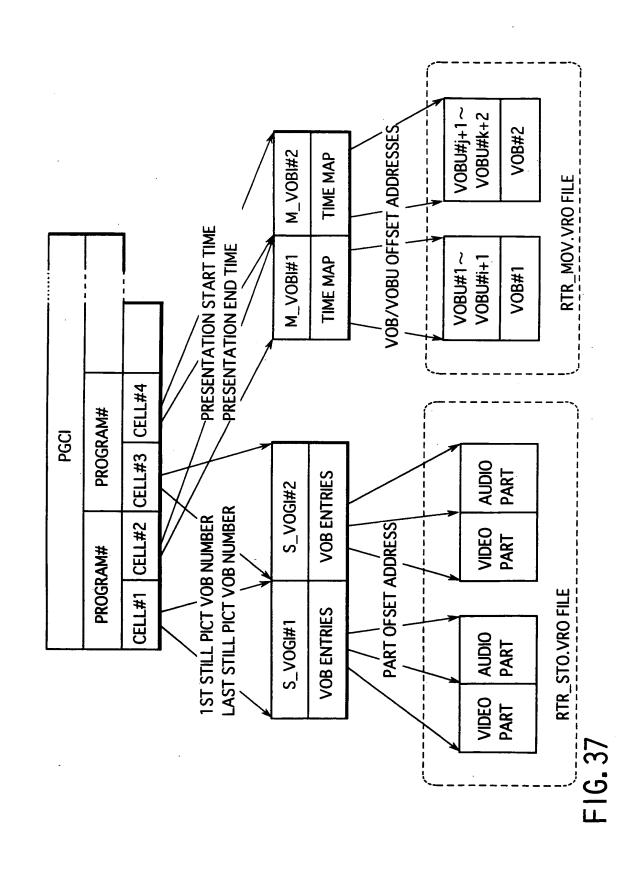


FIG. 38